PAMS Technical Documentation
NSB-8 Series Transceivers

Parts List

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Parts List of RM8 (EDMS Issue 3.4)

ITEM	CODE	DESCRIPTION	VALUE	TYPE	SIDE
R102	1430804	Chip resistor	100k	5% 0W06 0402	T
R152	1430762	Chip resistor	2k2	5% 0W06 0402	T
R154	1430778	Chip resistor	10k	5% 0W06 0402	T
R155	1430804	Chip resistor	100k	5% 0W06 0402	T
R156	1620105	Resistor network	2X2k2	5% 0W06 0404	T
R157	1620105	Resistor network	2X2k2	5% 0W06 0404	T
R159	1825031	Varistor array		VC50 2XVWM16V 0405	T
R161	1825031	Varistor array		VC50 2XVWM16V 0405	T
R164	1620103	Resistor network	2X22R	5% 0W06 0404	B
R165	1620103	Resistor network	2X22R	5% 0W06 0404	T
R166	1430137	Chip resistor	1k0	1% 200PPM 0W06 0402	T
R167	1430137	Chip resistor	1k0	1% 200PPM 0W06 0402	T
R168	1430778	Chip resistor	10k	5% 0W06 0402	T
R200	1419003	Chip resistor	0R22	5% 200PPM 0W5 1210	T
R202	1620067	Resistor network	4X100k	5% 0W06 0804	T
R203	1620029	Resistor network	2X4k7	5% 0W06 0404	T
R204	1430778	Chip resistor	10k	5% 0W06 0402	T
R301	1430770	Chip resistor	4k7	5% 0W06 0402	T
R304	1430700	Chip resistor	10R	5% 0W06 0402	T
R305	1430744	Chip resistor	470R	5% 0W06 0402	T
R306	1825033	Chip varistor		VWM14V VC46V 0402	T
R307	1430706	Chip resistor	15R	5% 0W06 0402	T
R350	1419009	Chip resistor	4R7	5% 200PPM 0W5 1210	B
R352	1430804	Chip resistor	100k	5% 0W06 0402	B
R388	4120071	ASIP		EMIF03-SIM01 SIM filter BGA8	B
R420	1430726	Chip resistor	100R	5% 0W06 0402	B
R421	1620019	Resistor network	2X10k	5% 0W06 0404	T
R422	1430268	Chip resistor	27k	1% 100PPM 0W06 0603	T
R450	1430770	Chip resistor	4k7	5% 0W06 0402	T
R550	1430746	Chip resistor	560R	5% 0W06 0402	B
R551	1430700	Chip resistor	10R	5% 0W06 0402	B
R600	1620081	Resistor network	4X22R	5% 0W03 0804	B
R602	1430770	Chip resistor	4k7	5% 0W06 0402	B
R603	1430846	Chip resistor	2k7	1% 0W06 0402	B
R604	1430770	Chip resistor	4k7	5% 0W06 0402	B
R606	1430784	Chip resistor	15k	5% 0W06 0402	B
R607	1620033	Resistor network	2X5k6	5% 0W06 0404	B
R608	1620033	Resistor network	2X5k6	5% 0W06 0404	B
R610	1430700	Chip resistor	10R	5% 0W06 0402	B
R650	1430764	Chip resistor	3k3	5% 0W06 0402	B
R651	1430841	Chip resistor	6k8	1% 0W06 0402	B

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ITEM	CODE	DESCRIPTION	VALUE	TYPE	SIDE
R660	1430762	Chip resistor	2k2	5% 0W06 0402	B
R661	1430774	Chip resistor	6k8	5% 0W06 0402	B
R698	1620505	Resistor network		2DB ATT 0W04 0404	B
R700	1430730	Chip resistor	150R	5% 0W06 0402	B
R701	1430730	Chip resistor	150R	5% 0W06 0402	B
R702	1430742	Chip resistor	390R	5% 0W06 0402	B
R703	1430710	Chip resistor	22R	5% 0W06 0402	B
R704	1430690	Chip jumper resistor	0R0	0402	B
R705	1430702	Chip resistor	12R	5% 0W06 0402	B
R706	1430742	Chip resistor	390R	5% 0W06 0402	B
R707	1430690	Chip jumper resistor	0R0	0402	B
R732	1430746	Chip resistor	560R	5% 0W06 0402	B
R751	1430770	Chip resistor	4k7	5% 0W06 0402	B
R752	1430788	Chip resistor	22k	5% 0W06 0402	B
R753	1430776	Chip resistor	8k2	5% 0W06 0402	B
R754	1430774	Chip resistor	6k8	5% 0W06 0402	B
R755	1430720	Chip resistor	56R	5% 0W06 0402	B
R780	1430728	Chip resistor	120R	5% 0W06 0402	B
C100	2320744	Chip capacitor	1n0	10% X7R 50V 0402	T
C103	2320544	Chip capacitor	22p	5% NP0 50V 0402	T
C105	2320536	Chip capacitor	10p	5% NP0 50V 0402	T
C107	2320544	Chip capacitor	22p	5% NP0 50V 0402	B
C108	2320536	Chip capacitor	10p	5% NP0 50V 0402	T
C109	2315213	Chip capacitor array	2X22p	10% NP0 25V 0405	B
C111	2315205	Chip capacitor array	2X1n	20% X5R 16V 0405	T
C112	2320756	Chip capacitor	3n3	10% X7R 50V 0402	T
C113	2320756	Chip capacitor	3n3	10% X7R 50V 0402	T
C114	2320604	Chip capacitor	18p	5% NP0 50V 0402	B
C115	2320546	Chip capacitor	27p	5% NP0 50V 0402	B
C151	2315209	Chip capacitor array	2X33n	20% X5R 10V 0405	T
C152	2320536	Chip capacitor	10p	5% NP0 50V 0402	T
C153	2315205	Chip capacitor array	2X1n	20% X5R 16V 0405	T
C154	2320744	Chip capacitor	1n0	10% X7R 50V 0402	T
C155	2315209	Chip capacitor array	2X33n	20% X5R 10V 0405	T
C156	2320536	Chip capacitor	10p	5% NP0 50V 0402	T
C157	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C158	2320805	Chip capacitor	100n	10% X5R 10V 0402	T
C160	2315213	Chip capacitor array	2X22p	10% NP0 25V 0405	T
C161	2315213	Chip capacitor array	2X22p	10% NP0 25V 0405	T
C163	2315213	Chip capacitor array	2X22p	10% NP0 25V 0405	T
C165	2320805	Chip capacitor	100n	10% X5R 10V 0402	T

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ITEM	CODE	DESCRIPTION	VALUE	TYPE	SIDE
C166	2320805	Chip capacitor	100n	10% X5R 10V 0402	T
C167	2316001	Chip capacitor	2u2	10% X5R 6V3 0603	T
C168	2320536	Chip capacitor	10p	5% NP0 50V 0402	T
C201	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C202	2320778	Chip capacitor	10n	10% X7R 16V 0402	B
C203	2320481	Chip capacitor	1u	10% X5R 6V3 0603	B
C205	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C206	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C207	2316001	Chip capacitor	2u2	10% X5R 6V3 0603	T
C208	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C209	2320536	Chip capacitor	10p	5% NP0 50V 0402	T
C210	2320536	Chip capacitor	10p	5% NP0 50V 0402	T
C211	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C212	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C213	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C214	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C215	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C218	2320805	Chip capacitor	100n	10% X5R 10V 0402	T
C219	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C221	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C222	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C223	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C224	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C225	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C226	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C227	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C228	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C229	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C230	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C231	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C232	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C233	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C234	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C235	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C236	2320805	Chip capacitor	100n	10% X5R 10V 0402	T
C237	2320805	Chip capacitor	100n	10% X5R 10V 0402	T
C238	2320491	Chip capacitor	220n	10% X7R 10V 0603	T
C239	2320805	Chip capacitor	100n	10% X5R 10V 0402	T
C240	2315203	Chip capacitor array	2X10n	20% X5R 16V 0405	T
C241	2315203	Chip capacitor array	2X10n	20% X5R 16V 0405	T
C243	2320481	Chip capacitor	1u	10% X5R 6V3 0603	B

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ITEM	CODE	DESCRIPTION	VALUE	TYPE	SIDE
C250	2315213	Chip capacitor array	2X22p	10% NP0 25V 0405	T
C260	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C261	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C262	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C263	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C264	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C265	2320481	Chip capacitor	1u	10% X5R 6V3 0603	T
C301	2320139	Chip capacitor	1u0	10% X5R 10V 0603	T
C302	2320139	Chip capacitor	1u0	10% X5R 10V 0603	T
C303	2320805	Chip capacitor	100n	10% X5R 10V 0402	B
C305	2320805	Chip capacitor	100n	10% X5R 10V 0402	T
C306	2320546	Chip capacitor	27p	5% NP0 50V 0402	T
C307	2320604	Chip capacitor	18p	5% NP0 50V 0402	T
C308	2320778	Chip capacitor	10n	10% X7R 16V 0402	T
C312	2320544	Chip capacitor	22p	5% NP0 50V 0402	T
C319	2320744	Chip capacitor	1n0	10% X7R 50V 0402	B
C350	2320805	Chip capacitor	100n	10% X5R 10V 0402	B
C351	2312415	Chip capacitor	4u7	20% X5R 10V 1206	B
C352	2320544	Chip capacitor	22p	5% NP0 50V 0402	B
C389	2320805	Chip capacitor	100n	10% X5R 10V 0402	B
C400	2320778	Chip capacitor	10n	10% X7R 16V 0402	T
C401	2320805	Chip capacitor	100n	10% X5R 10V 0402	T
C402	2320778	Chip capacitor	10n	10% X7R 16V 0402	T
C403	2320778	Chip capacitor	10n	10% X7R 16V 0402	T
C404	2320778	Chip capacitor	10n	10% X7R 16V 0402	T
C405	2320778	Chip capacitor	10n	10% X7R 16V 0402	T
C420	2320560	Chip capacitor	100p	5% NP0 50V 0402	B
C421	2320560	Chip capacitor	100p	5% NP0 50V 0402	T
C422	2320560	Chip capacitor	100p	5% NP0 50V 0402	T
C450	2320778	Chip capacitor	10n	10% X7R 16V 0402	T
C451	2320805	Chip capacitor	100n	10% X5R 10V 0402	T
C454	2320779	Chip capacitor	100n	10% X7R 16V 0603	T
C500	2320508	Chip capacitor	1p0	±0.25P NP0 50V 0402	B
C501	2320536	Chip capacitor	10p	5% NP0 50V 0402	B
C550	2320602	Chip capacitor	4p7	±0.25P NP0 50V 0402	B
C551	2320536	Chip capacitor	10p	5% NP0 50V 0402	B
C552	2320508	Chip capacitor	1p0	±0.25P NP0 50V 0402	B
C553	2320536	Chip capacitor	10p	5% NP0 50V 0402	B
C554	2320805	Chip capacitor	100n	10% X5R 10V 0402	B
C555	2320560	Chip capacitor	100p	5% NP0 50V 0402	B
C556	2320560	Chip capacitor	100p	5% NP0 50V 0402	B

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ITEM	CODE	DESCRIPTION	VALUE	TYPE	SIDE
C557	2320536	Chip capacitor	10p	5% NP0 50V 0402	B
C600	2320548	Chip capacitor	33p	5% NP0 50V 0402	B
C601	2320554	Chip capacitor	56p	5% NP0 50V 0402	B
C602	2320778	Chip capacitor	10n	10% X7R 16V 0402	B
C603	2320778	Chip capacitor	10n	10% X7R 16V 0402	B
C604	2320536	Chip capacitor	10p	5% NP0 50V 0402	B
C605	2320805	Chip capacitor	100n	10% X5R 10V 0402	B
C606	2320481	Chip capacitor	1u	10% X5R 6V3 0603	B
C608	2320783	Chip capacitor	33n	10% X7R 10V 0402	B
C609	2320562	Chip capacitor	120p	5% NP0 50V 0402	B
C610	2320562	Chip capacitor	120p	5% NP0 50V 0402	B
C611	2320783	Chip capacitor	33n	10% X7R 10V 0402	B
C612	2320620	Chip capacitor	10n	5% X7R 16V 0402	B
C613	2320805	Chip capacitor	100n	10% X5R 10V 0402	B
C614	2320778	Chip capacitor	10n	10% X7R 16V 0402	B
C615	2320558	Chip capacitor	82p	5% NP0 50V 0402	B
C616	2320552	Chip capacitor	47p	5% NP0 50V 0402	B
C617	2320552	Chip capacitor	47p	5% NP0 50V 0402	B
C620	2320481	Chip capacitor	1u	10% X5R 6V3 0603	B
C621	2320481	Chip capacitor	1u	10% X5R 6V3 0603	B
C622	2320481	Chip capacitor	1u	10% X5R 6V3 0603	B
C623	2320481	Chip capacitor	1u	10% X5R 6V3 0603	B
C624	2314001	Chip capacitor	470p	5% NP0 6V3 0402	B
C625	2314001	Chip capacitor	470p	5% NP0 6V3 0402	B
C626	2314001	Chip capacitor	470p	5% NP0 6V3 0402	B
C627	2314001	Chip capacitor	470p	5% NP0 6V3 0402	B
C651	2320508	Chip capacitor	1p0	±0.25P NP0 50V 0402	B
C652	2320564	Chip capacitor	150p	5% NP0 50V 0402	B
C653	2322015	Chip capacitor	2n2	2% NP0 16V 0603	B
C654	2320564	Chip capacitor	150p	5% NP0 50V 0402	B
C655	2320481	Chip capacitor	1u	10% X5R 6V3 0603	B
C657	2320520	Chip capacitor	2p2	±0.25P NP0 50V 0402	B
C658	2320520	Chip capacitor	2p2	±0.25P NP0 50V 0402	B
C660	2320560	Chip capacitor	100p	5% NP0 50V 0402	B
C661	2320491	Chip capacitor	220n	10% X7R 10V 0603	B
C662	2320536	Chip capacitor	10p	5% NP0 50V 0402	B
C699	2320508	Chip capacitor	1p0	±0.25P NP0 50V 0402	B
C700	2320621	Chip capacitor	0p5	±0.25P NP0 50V 0402	B
C701	2320540	Chip capacitor	15p	5% NP0 50V 0402	B
C703	2320548	Chip capacitor	33p	5% NP0 50V 0402	B
C704	2320536	Chip capacitor	10p	5% NP0 50V 0402	B

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ITEM	CODE	DESCRIPTION	VALUE	TYPE	SIDE
C705	2320536	Chip capacitor	10p	5% NP0 50V 0402	B
C706	2320534	Chip capacitor	8p2	±0.25P NP0 50V 0402	B
C707	2320508	Chip capacitor	1p0	±0.25P NP0 50V 0402	B
C708	2611753	Tantalum chip capacitor	33u	20% 16/8V 6.0X3.2X1.5	B
C709	2611741	Tantalum chip capacitor	4u7	20% 10V 2.0X1.3X1.2	B
C711	2320540	Chip capacitor	15p	5% NP0 50V 0402	B
C712	2320744	Chip capacitor	1n0	10% X7R 50V 0402	B
C714	2320560	Chip capacitor	100p	5% NP0 50V 0402	B
C715	2320548	Chip capacitor	33p	5% NP0 50V 0402	B
C716	2320536	Chip capacitor	10p	5% NP0 50V 0402	B
C717	2320778	Chip capacitor	10n	10% X7R 16V 0402	B
C718	2320779	Chip capacitor	100n	10% X7R 16V 0603	B
C719	2320602	Chip capacitor	4p7	±0.25P NP0 50V 0402	B
C720	2320540	Chip capacitor	15p	5% NP0 50V 0402	B
C721	2320602	Chip capacitor	4p7	±0.25P NP0 50V 0402	B
C723	2320584	Chip capacitor	1n0	5% X7R 50V 0402	B
C727	2320546	Chip capacitor	27p	5% NP0 50V 0402	B
C730	2320744	Chip capacitor	1n0	10% X7R 50V 0402	B
C731	2320596	Chip capacitor	3n3	5% X7R 50V 0402	B
C751	2320518	Chip capacitor	1p8	±0.25P NP0 50V 0402	B
C752	2312215	Chip capacitor	2n2	5% NP0 50V 0805	B
C754	2320536	Chip capacitor	10p	5% NP0 50V 0402	B
C781	2320602	Chip capacitor	4p7	±0.25P NP0 50V 0402	B
L100	3203743	Ferrite bead	42R/100MHz	0R03 3A 0805	T
L104	3203801	Chip bead array	2X1000R	0405	T
L105	3203741	Ferrite bead	600R/100MHz	0R5 0603	T
L106	3203741	Ferrite bead	600R/100MHz	0R5 0603	T
L107	3203741	Ferrite bead	600R/100MHz	0R5 0603	T
L151	3203801	Chip bead array	2X1000R	0405	T
L260	3203741	Ferrite bead	600R/100MHz	0R5 0603	T
L261	3203741	Ferrite bead	600R/100MHz	0R5 0603	T
L262	3203741	Ferrite bead	600R/100MHz	0R5 0603	T
L263	3203741	Ferrite bead	600R/100MHz	0R5 0603	T
L264	3203741	Ferrite bead	600R/100MHz	0R5 0603	T
L265	3203741	Ferrite bead	600R/100MHz	0R5 0603	T
L501	3646013	Chip coil	6n8	5% Q7/100MHz 0402	B
L502	3646047	Chip coil	3n3	±0n3 Q28/800MHz 0402	B
L550	3646051	Chip coil	3n9	±0n3 Q28/800MHz 0402	B
L652	3646055	Chip coil	8n2	5% Q28/800MHz 0402	B
L702	3646059	Chip coil	5n6	±0n3 Q28/800MHz 0402	B
L703	3203705	Ferrite bead	42R/100MHz	0.015R 0805	B

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ITEM	CODE	DESCRIPTION	VALUE	TYPE	SIDE
L705	3646027	Chip coil	33n	5% Q7/100MHz 0402	B
L708	3640043	Chip coil	4n7	10% Q50/1GHz 0805	B
L750	4551019	Directional coupler	14dB	±0.5dB 1880±30MHz 2x1.25	B
B200	4510303	Crystal	32.768kHz	±20ppm 12.5pF	T
B301	5140211	Buzzer		85dB 3kHz 3.0V 10.4x8.7x3.1	T
G650	4350237	VCO		3700-3980MHz 2.7V 20MA PCS	B
G660	4510261	VCTCXO	26MHz	±5ppm 2.7V GSM	B
F100	5119019	SM fuse	1.5A	F 32V 0603	T
Z301	4120031	EMI/ESD filter		EMIF10-1K010F1 BGA24	T
Z500	4550203	Antenna switch		1850-1990MHz 6.7x5x2	B
Z520	4511167	SAW filter		1960±30MHz/3.7dB 3x3x1.2	B
Z551	4511273	SAW filter		1960±30MHz/4.0dB 2520	B
T650	3640423	Transformer balun		3.7GHz±300MHz 0805	B
T700	3640431	Transformer balun		1920MHz±70MHz 0805	B
V100	4113721	TVS		1PMT16AT3 16V 175W PWRMITE	T
V300	4219937	Dual PNP transistor		UMT1/PUMT1 P40V100mA SOT363	T
V301	4219937	Dual PNP transistor		UMT1/PUMT1 P40V100mA SOT363	T
V324	4864543	LED		CL270WB-D WHITE 90' VF<4.0V	T
V325	4864543	LED		CL270WB-D WHITE 90' VF<4.0V	T
V326	4864543	LED		CL270WB-D WHITE 90' VF<4.0V	T
V327	4864543	LED		CL270WB-D WHITE 90' VF<4.0V	T
V329	4110475	Schottky diode		RB521S-30 200mA 35V SOD523	T
V350	4210043	Digital NPN transistor		DTC143ZE N RB=4k7 RBE=47k EM3	B
V351	4860101	Infrared module		TFDU5102 9K6-1M152 BABYFACE	B
V550	4210261	LNA		BGA428 LNA1.8GHz 19.5DB SOT363	B
V750	4110078	Dual Schottky diode		BAS70-05W 70V 70mA SOT323	B
D200	4370805	UEM V4.4		WD enabled TO09H TFBGA168	T
D400	4370815	UPP8M V1.1		F741987A C05 UBGA144	T
D450	4341207	Flash NMP DCT4	64M	40MHz	T
N600	4370781	HAGAR		5 TZC6BEGT LFBGA80	B
N601	4350303	Power amplifier		RF 9303 GSM 1900 MHz GPRS	B
S300	5200025	SM switch		TACT SW SIDE TRAVEL 0.2 mm	T
S301	5200025	SM switch		TACT SW SIDE TRAVEL 0.2 mm	T
S302	5200025	SM switch		TACT SW SIDE TRAVEL 0.2 mm	T
X101	5409141	SM battery connector		4POL SPR 12V 2A	B
X300	5409183	SM LCD connector		1x8 P2.0 SPR 50V 0.5A	T
X303	5469135	SM connector		2x8 SPR 50V 0.5A PCB/PCB2x3POL P2.54 H=1.6mm	T
X386	5409107	SM SIM connector		2x3POL P2.54 H=1.6mm	B
	9854549	PWB		RM8 36.0x90.8x1.0 M8 4/PA	

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